WIRELESS PLANNING & PREDICTION REPORT

UNIVERSITY BUILDING APS COVERAGE

by Mohamad Faizzudin, Habri, Tan, April, 2025

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General info: **University Building APs Coverage**

Surveyor: **Mohamad Faizzudin, Habri, Tan**

Predictive survey dates

- **10/4/2025** at 7:21:51 PM Created
- **11/4/2025** at 12:16:07 AM Modified

Zone(s)	Snapshot(s)	AP(s)
1	**1**	**12**

#	Zone	Created	Modified	Snapshots	APs
1	Central Building	10/4/2025 at 7:21:51 PM	11/4/2025 at 12:16:07 AM	1	12

Zone #1: **Central Building**

Map size: **47.55 x 26.75 m**

Predictive survey dates

- **10/4/2025** at 7:21:51 PM Created
- **11/4/2025** at 12:16:07 AM Modified

Snapshot(s)

1

AP(s)

12

#	Snapshot	Created	Modified	APs
1	April 2025	10/4/2025 at 7:21:51 PM	11/4/2025 at 12:16:07 AM	12

Snapshot #1.1: **April 2025**

Visualization(s): **21**

Predictive survey dates		
	10/4/2025 at 7:21:51 PM Created	**11/4/2025** at 12:16:07 AM Modified

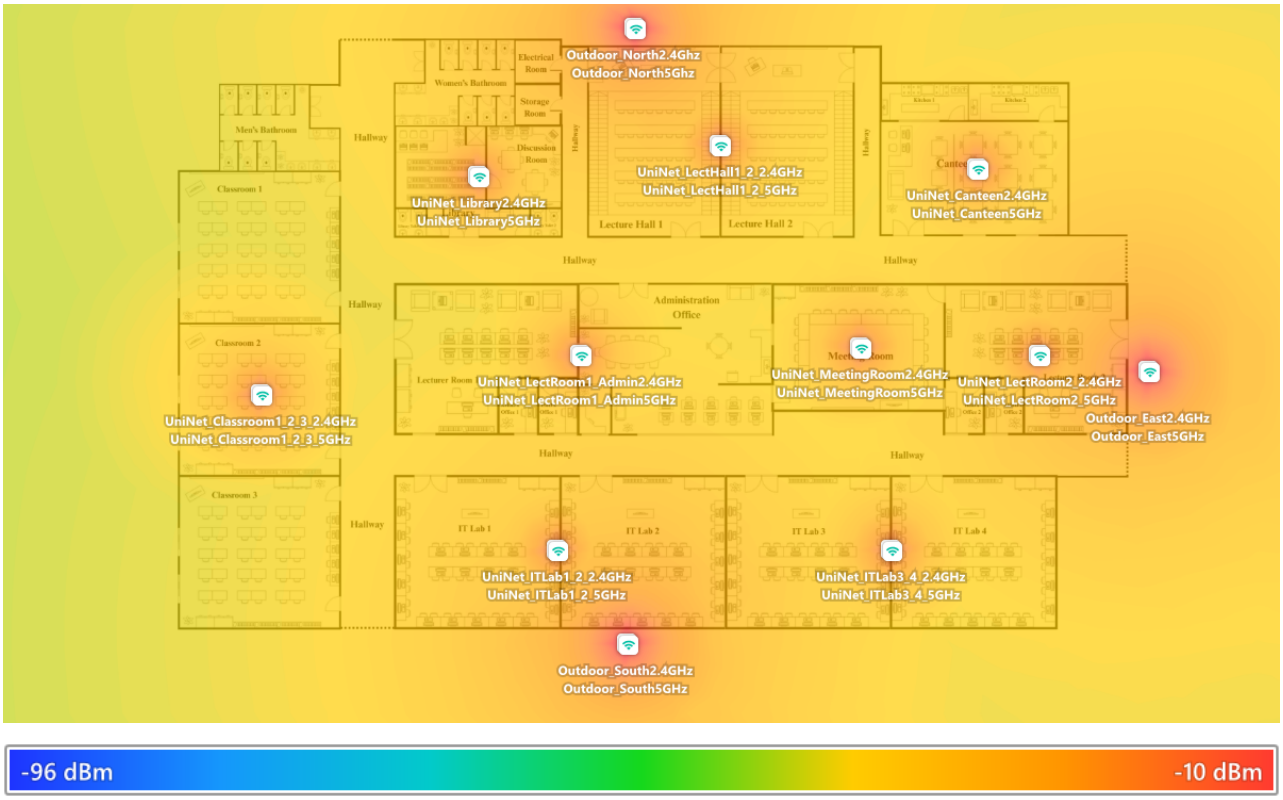
AP(s)

12

Visualization #1.1.1: **Signal level**

-96 dBm Min signal level

-10 dBm Max signal level



This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

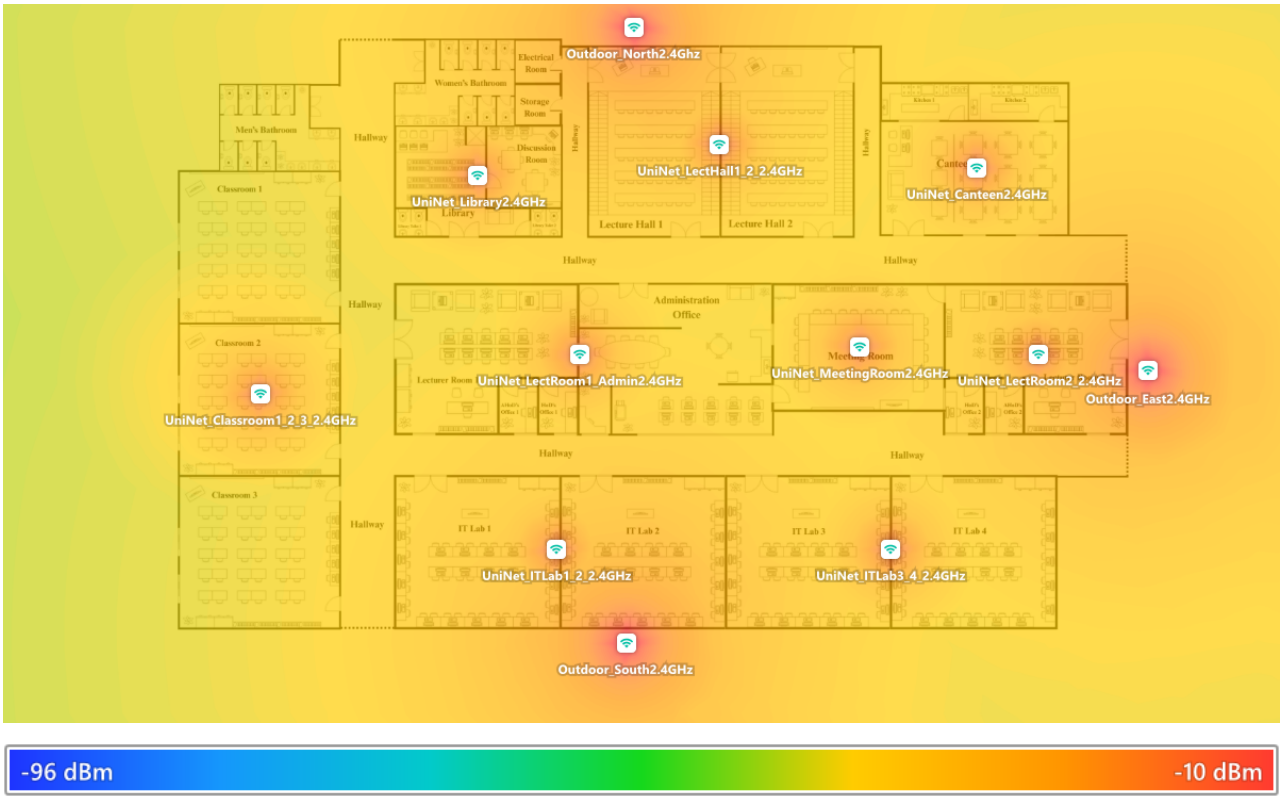
#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	20 dBm	Cisco
3	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
4	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	20 dBm	
5	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
6	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	20 dBm	
7	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	20 dBm	
8	UniNet_Library5GHz	36 (5 GHz)	ax	20 dBm	
9	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
10	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	20 dBm	
11	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	20 dBm	
12	UniNet_Canteen5GHz	36 (5 GHz)	ax	20 dBm	
13	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	20 dBm	
14	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	20 dBm	
15	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	20 dBm	
16	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	20 dBm	
17	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
18	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	20 dBm	

#	Network name	Channel	PHY	Max signal level	Vendor
19	**Outdoor_North2.4Ghz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
20	**Outdoor_North5Ghz**	36 (5 GHz)	ax	**30 dBm**	Custom
21	**Outdoor_South2.4GHz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
22	**Outdoor_South5GHz**	36 (5 GHz)	ax	**30 dBm**	Custom
23	**Outdoor_East2.4GHz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
24	**Outdoor_East5GHz**	36 (5 GHz)	ax	**30 dBm**	Custom

Visualization #1.1.2: **Signal level (2.4 GHz)**

-96 dBm Min signal level

-10 dBm Max signal level



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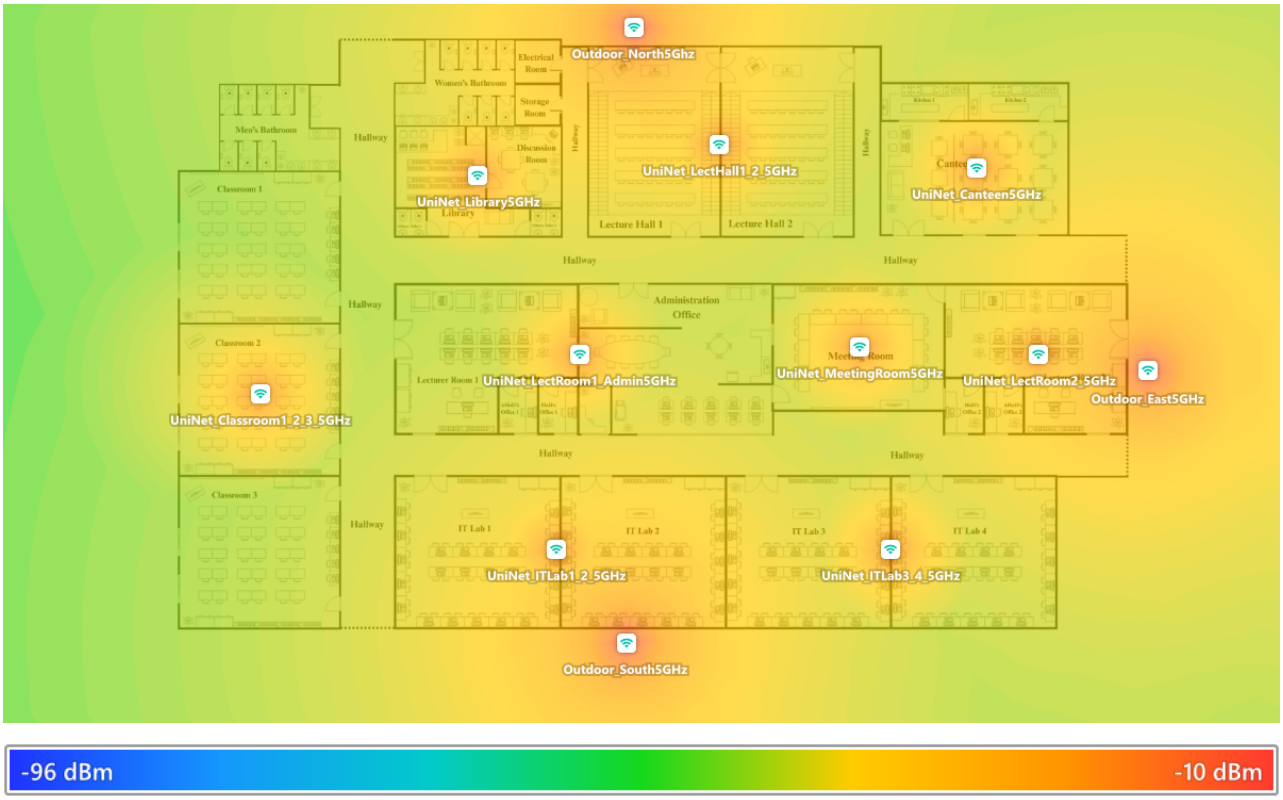
#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
3	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
4	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	20 dBm	
5	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
6	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	20 dBm	
7	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	20 dBm	
8	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	20 dBm	
9	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
10	Outdoor_North2.4Ghz	1 (2.4 GHz)	ax	30 dBm	Custom
11	Outdoor_South2.4GHz	1 (2.4 GHz)	ax	30 dBm	Custom
12	Outdoor_East2.4GHz	1 (2.4 GHz)	ax	30 dBm	Custom

Visualization #1.1.3: **Signal level (5 GHz)**

-96 dBm Min signal level

-10 dBm Max signal level



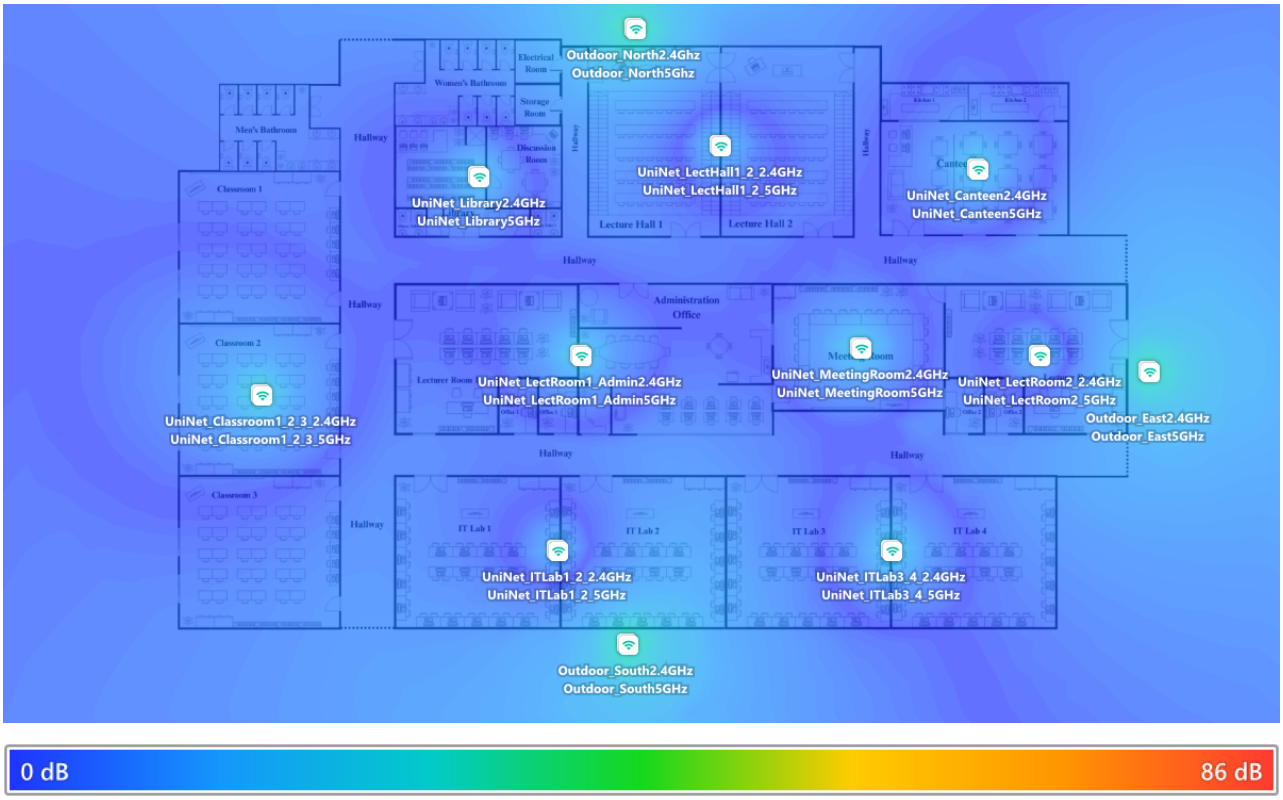
This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	20 dBm	
3	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	20 dBm	
4	UniNet_Library5GHz	36 (5 GHz)	ax	20 dBm	
5	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	20 dBm	
6	UniNet_Canteen5GHz	36 (5 GHz)	ax	20 dBm	
7	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	20 dBm	
8	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	20 dBm	
9	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	20 dBm	
10	Outdoor_North5Ghz	36 (5 GHz)	ax	30 dBm	Custom
11	Outdoor_South5GHz	36 (5 GHz)	ax	30 dBm	Custom
12	Outdoor_East5GHz	36 (5 GHz)	ax	30 dBm	Custom

Visualization #1.1.4: **Signal-to-interference ratio**

👎 **0 dB** Min signal-to-interference ratio

👍 **86 dB** Max signal-to-interference ratio



This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

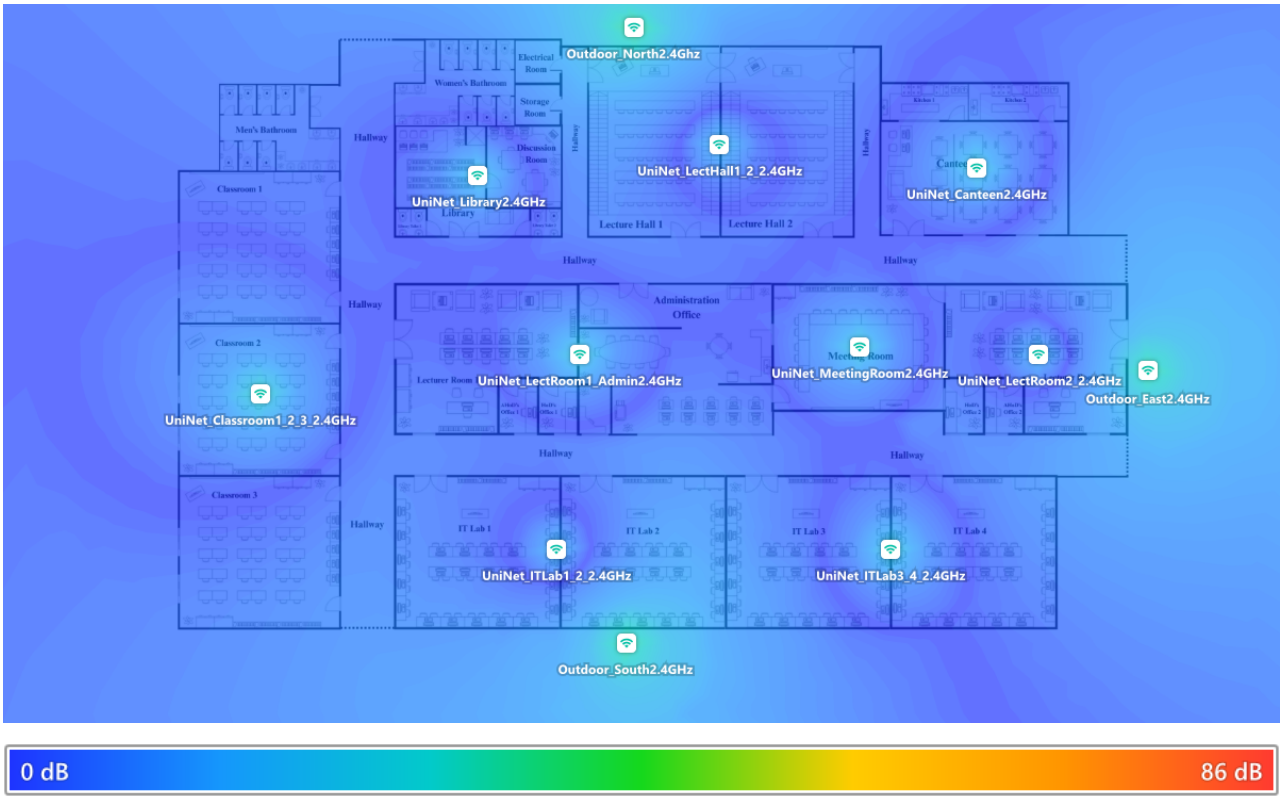
#	Network name	Channel	PHY	Max SIR	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	49 dB	Cisco
2	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	56 dB	Cisco
3	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	57 dB	
4	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	63 dB	
5	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	61 dB	
6	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	67 dB	
7	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	55 dB	
8	UniNet_Library5GHz	36 (5 GHz)	ax	61 dB	
9	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	51 dB	
10	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	58 dB	
11	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	57 dB	
12	UniNet_Canteen5GHz	36 (5 GHz)	ax	63 dB	
13	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	57 dB	
14	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	64 dB	
15	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	57 dB	
16	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	64 dB	
17	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	49 dB	
18	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	55 dB	

#	Network name	Channel	PHY	Max SIR	Vendor
19	Outdoor_North2.4Ghz	1 (2.4 GHz)	ax	71 dB	Custom
20	Outdoor_North5Ghz	36 (5 GHz)	ax	78 dB	Custom
21	Outdoor_South2.4GHz	1 (2.4 GHz)	ax	69 dB	Custom
22	Outdoor_South5GHz	36 (5 GHz)	ax	76 dB	Custom
23	Outdoor_East2.4GHz	1 (2.4 GHz)	ax	69 dB	Custom
24	Outdoor_East5GHz	36 (5 GHz)	ax	75 dB	Custom

Visualization #1.1.5: **Signal-to-interference ratio (2.4 GHz)**

👎 **0 dB** Min signal-to-interference ratio

👍 **86 dB** Max signal-to-interference ratio



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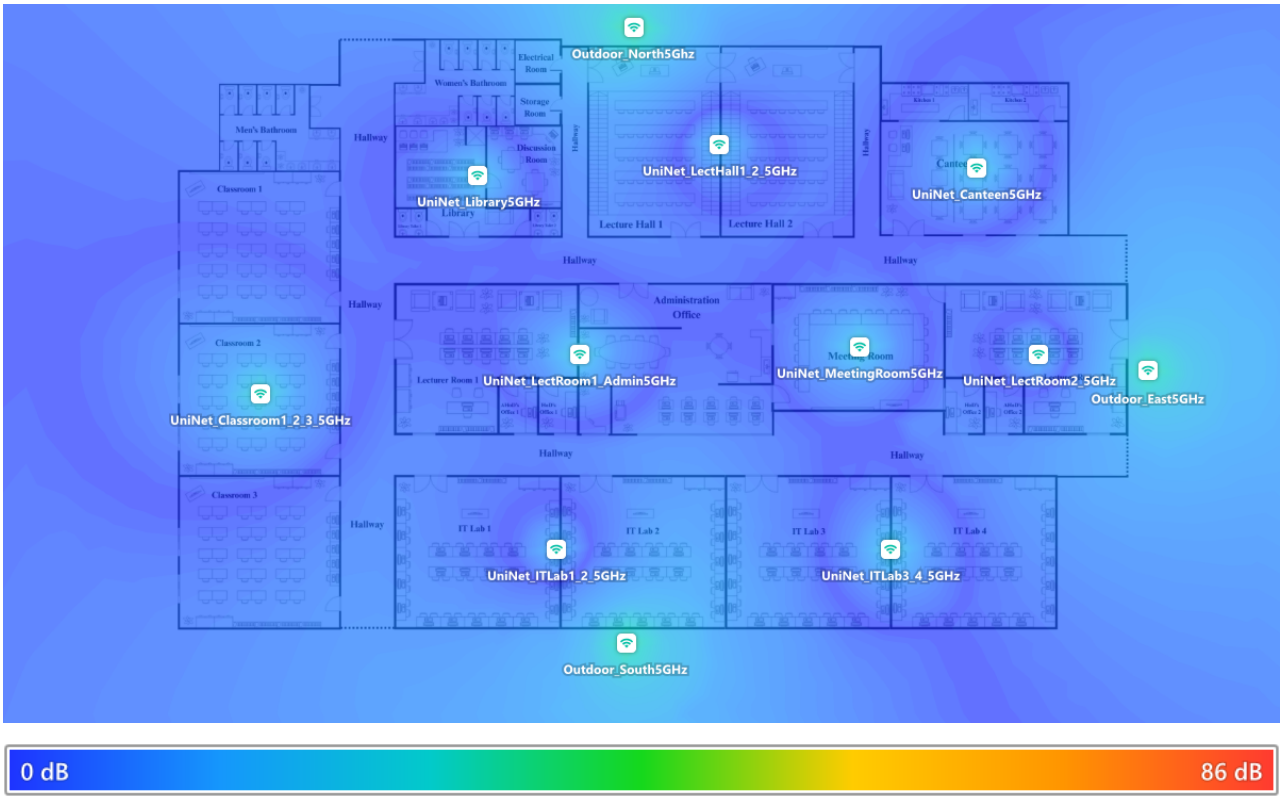
#	Network name	Channel	PHY	Max SIR	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	49 dB	Cisco
2	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	57 dB	
3	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	61 dB	
4	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	55 dB	
5	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	51 dB	
6	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	57 dB	
7	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	57 dB	
8	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	57 dB	
9	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	49 dB	
10	Outdoor_North2.4Ghz	1 (2.4 GHz)	ax	71 dB	Custom
11	Outdoor_South2.4GHz	1 (2.4 GHz)	ax	69 dB	Custom
12	Outdoor_East2.4GHz	1 (2.4 GHz)	ax	69 dB	Custom

Visualization #1.1.6: **Signal-to-interference ratio (5 GHz)**

0 dB Min signal-to-interference ratio

86 dB Max signal-to-interference ratio

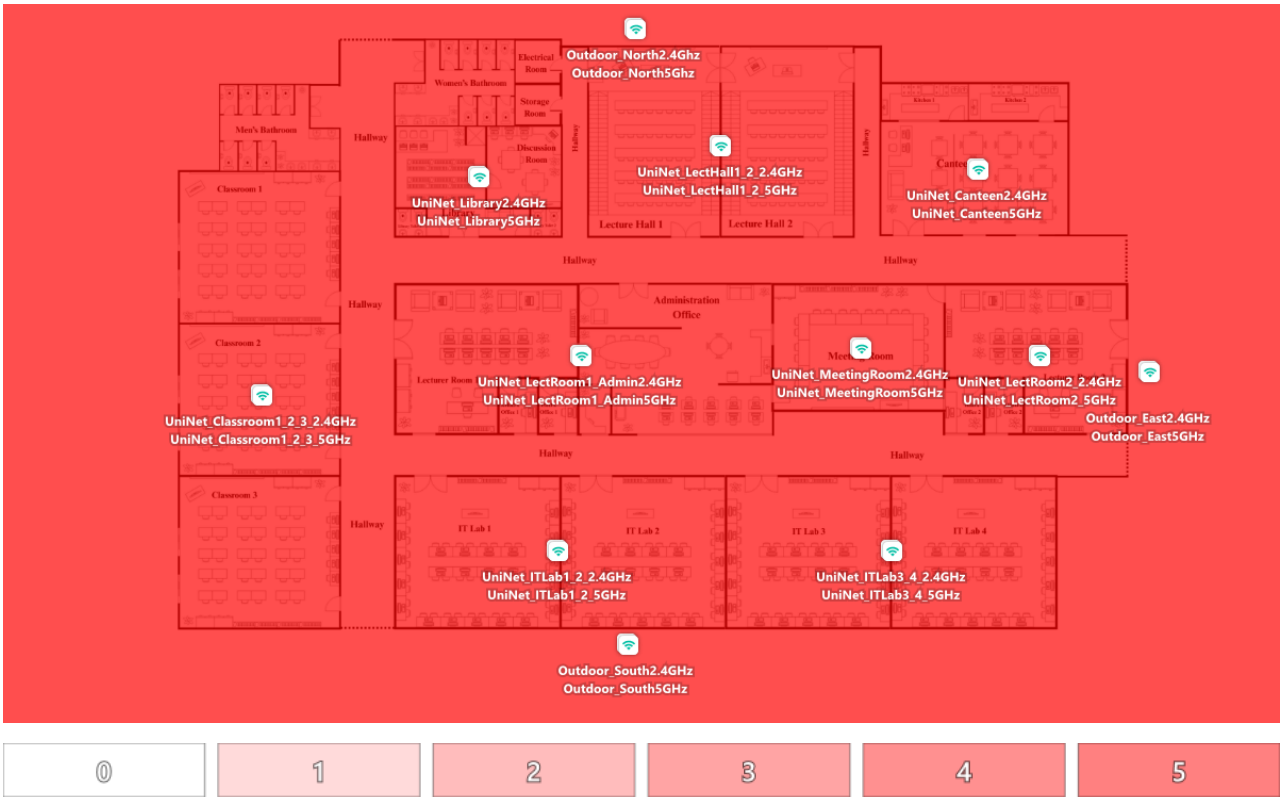


This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max SIR	Vendor
1	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	56 dB	Cisco
2	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	63 dB	
3	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	67 dB	
4	UniNet_Library5GHz	36 (5 GHz)	ax	61 dB	
5	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	58 dB	
6	UniNet_Canteen5GHz	36 (5 GHz)	ax	63 dB	
7	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	64 dB	
8	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	64 dB	
9	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	55 dB	
10	Outdoor_North5Ghz	36 (5 GHz)	ax	78 dB	Custom
11	Outdoor_South5GHz	36 (5 GHz)	ax	76 dB	Custom
12	Outdoor_East5GHz	36 (5 GHz)	ax	75 dB	Custom

Visualization #1.1.7: **Quantity of access points**

-70 dBm Min signal level



0	1	2	3	4	5

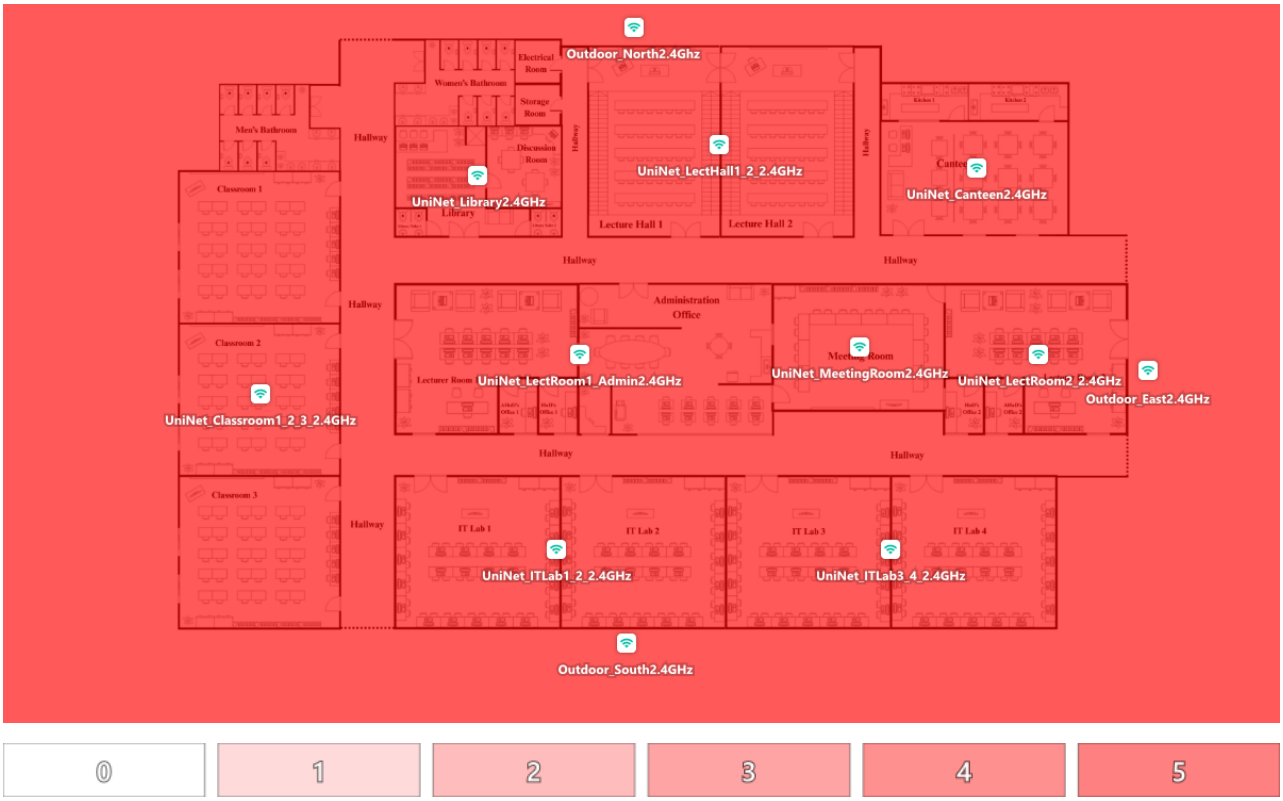
This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	20 dBm	Cisco
3	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
4	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	20 dBm	
5	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
6	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	20 dBm	
7	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	20 dBm	
8	UniNet_Library5GHz	36 (5 GHz)	ax	20 dBm	
9	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
10	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	20 dBm	
11	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	20 dBm	
12	UniNet_Canteen5GHz	36 (5 GHz)	ax	20 dBm	
13	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	20 dBm	
14	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	20 dBm	
15	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	20 dBm	
16	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	20 dBm	
17	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
18	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	20 dBm	

#	Network name	Channel	PHY	Max signal level	Vendor
19	**Outdoor_North2.4Ghz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
20	**Outdoor_North5Ghz**	36 (5 GHz)	ax	**30 dBm**	Custom
21	**Outdoor_South2.4GHz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
22	**Outdoor_South5GHz**	36 (5 GHz)	ax	**30 dBm**	Custom
23	**Outdoor_East2.4GHz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
24	**Outdoor_East5GHz**	36 (5 GHz)	ax	**30 dBm**	Custom

Visualization #1.1.8: **Quantity of access points (2.4 GHz)**

-70 dBm Min signal level



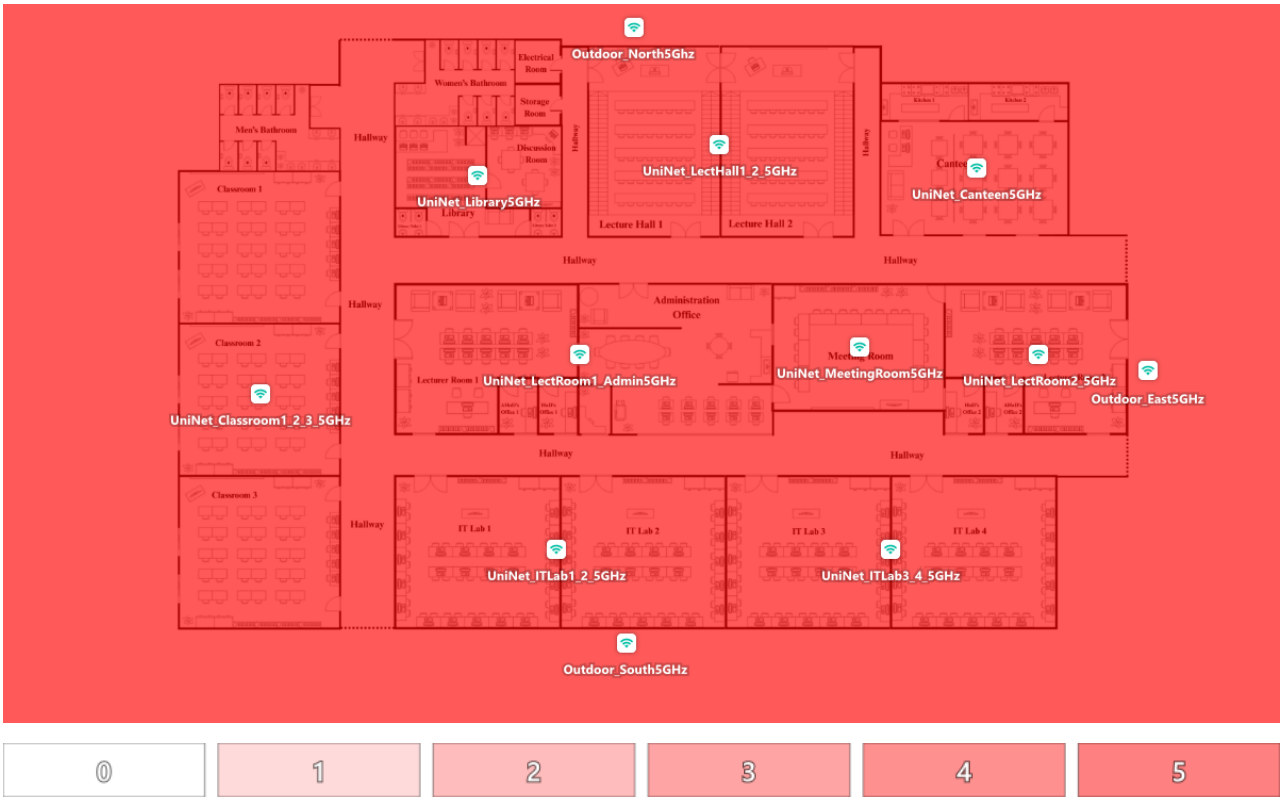
0	1	2	3	4	5

This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
3	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
4	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	20 dBm	
5	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
6	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	20 dBm	
7	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	20 dBm	
8	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	20 dBm	
9	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
10	Outdoor_North2.4Ghz	1 (2.4 GHz)	ax	30 dBm	Custom
11	Outdoor_South2.4GHz	1 (2.4 GHz)	ax	30 dBm	Custom
12	Outdoor_East2.4GHz	1 (2.4 GHz)	ax	30 dBm	Custom

Visualization #1.1.9: **Quantity of access points (5 GHz)**

-70 dBm Min signal level



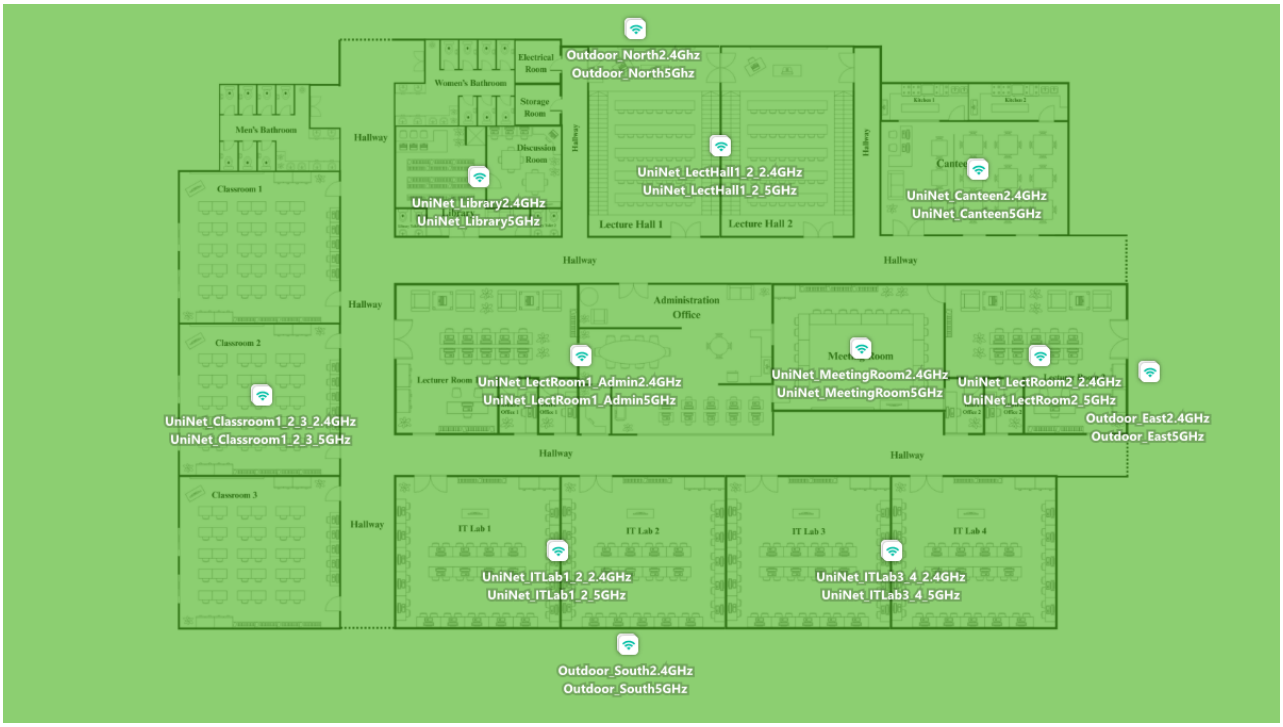
0	1	2	3	4	5

This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	20 dBm	
3	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	20 dBm	
4	UniNet_Library5GHz	36 (5 GHz)	ax	20 dBm	
5	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	20 dBm	
6	UniNet_Canteen5GHz	36 (5 GHz)	ax	20 dBm	
7	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	20 dBm	
8	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	20 dBm	
9	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	20 dBm	
10	Outdoor_North5Ghz	36 (5 GHz)	ax	30 dBm	Custom
11	Outdoor_South5GHz	36 (5 GHz)	ax	30 dBm	Custom
12	Outdoor_East5GHz	36 (5 GHz)	ax	30 dBm	Custom

Visualization #1.1.10: **Frequency band coverage**

-70 dBm Min signal level



2.4 GHz | 5 GHz | 6 GHz

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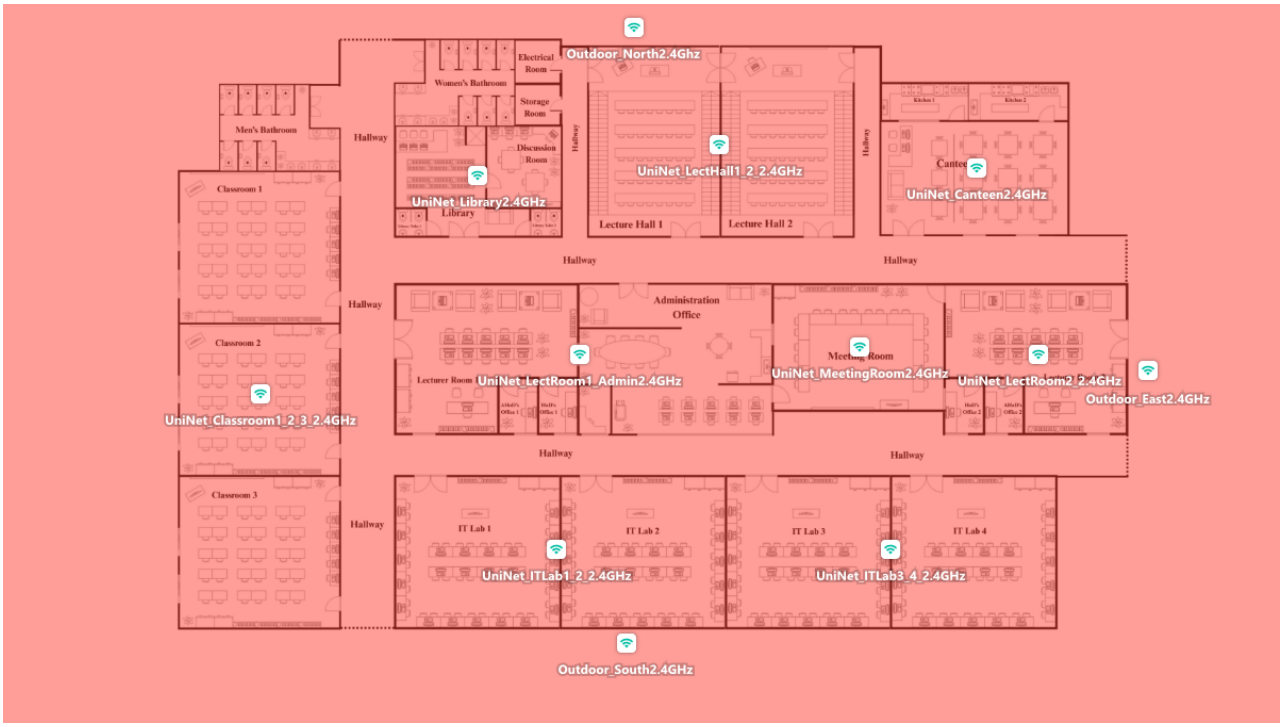
#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	20 dBm	Cisco
3	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
4	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	20 dBm	
5	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
6	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	20 dBm	
7	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	20 dBm	
8	UniNet_Library5GHz	36 (5 GHz)	ax	20 dBm	
9	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
10	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	20 dBm	
11	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	20 dBm	
12	UniNet_Canteen5GHz	36 (5 GHz)	ax	20 dBm	
13	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	20 dBm	
14	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	20 dBm	
15	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	20 dBm	
16	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	20 dBm	
17	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
18	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	20 dBm	

#	Network name	Channel	PHY	Max signal level	Vendor
19	**Outdoor_North2.4Ghz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
20	**Outdoor_North5Ghz**	36 (5 GHz)	ax	**30 dBm**	Custom
21	**Outdoor_South2.4GHz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
22	**Outdoor_South5GHz**	36 (5 GHz)	ax	**30 dBm**	Custom
23	**Outdoor_East2.4GHz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
24	**Outdoor_East5GHz**	36 (5 GHz)	ax	**30 dBm**	Custom

Visualization #1.1.11: **Frequency band coverage (2.4 GHz)**

-70 dBm Min signal level



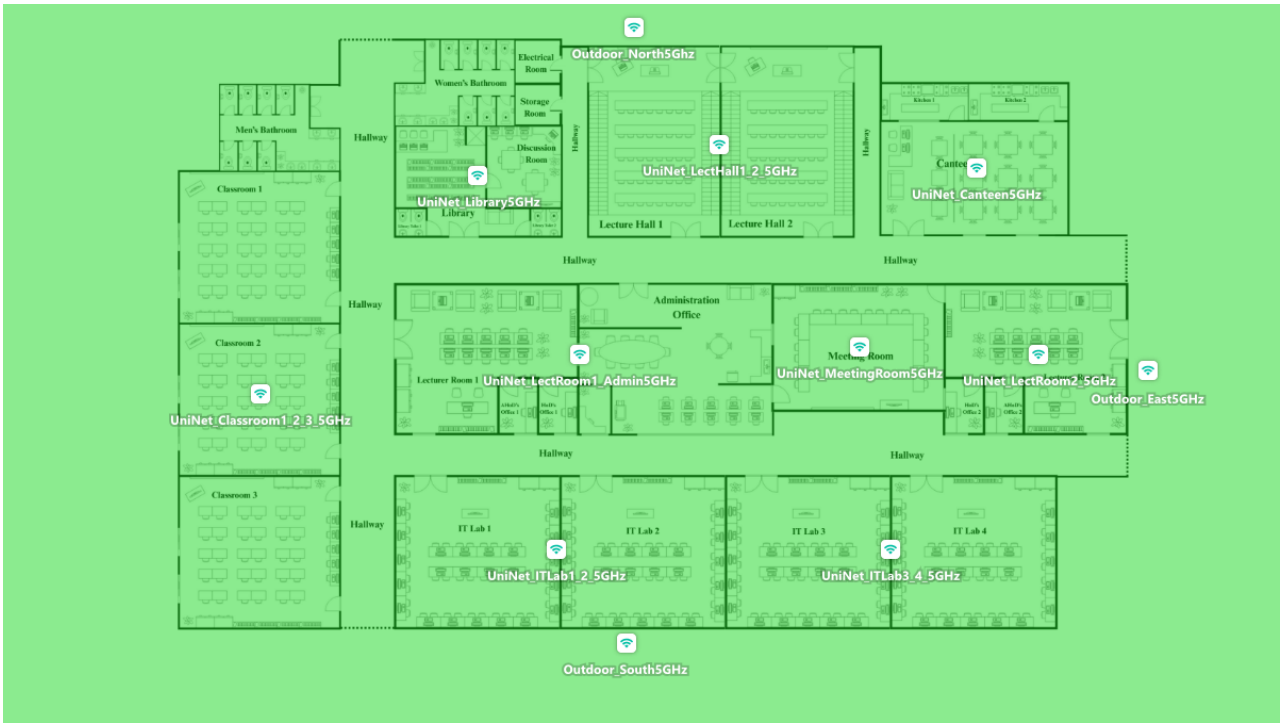
2.4 GHz	5 GHz	6 GHz

This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
3	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
4	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	20 dBm	
5	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
6	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	20 dBm	
7	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	20 dBm	
8	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	20 dBm	
9	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
10	Outdoor_North2.4Ghz	1 (2.4 GHz)	ax	30 dBm	Custom
11	Outdoor_South2.4GHz	1 (2.4 GHz)	ax	30 dBm	Custom
12	Outdoor_East2.4GHz	1 (2.4 GHz)	ax	30 dBm	Custom

Visualization #1.1.12: **Frequency band coverage (5 GHz)**

-70 dBm Min signal level



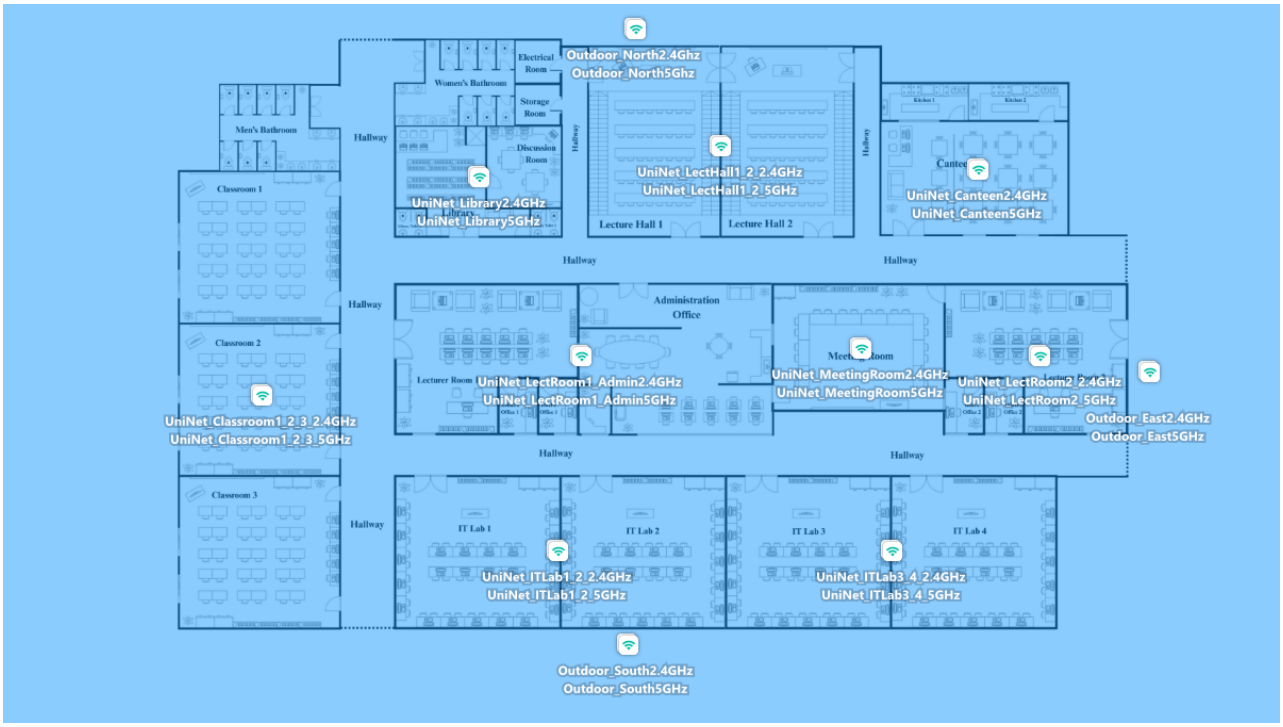
2.4 GHz | 5 GHz | 6 GHz

This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	20 dBm	
3	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	20 dBm	
4	UniNet_Library5GHz	36 (5 GHz)	ax	20 dBm	
5	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	20 dBm	
6	UniNet_Canteen5GHz	36 (5 GHz)	ax	20 dBm	
7	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	20 dBm	
8	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	20 dBm	
9	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	20 dBm	
10	Outdoor_North5Ghz	36 (5 GHz)	ax	30 dBm	Custom
11	Outdoor_South5GHz	36 (5 GHz)	ax	30 dBm	Custom
12	Outdoor_East5GHz	36 (5 GHz)	ax	30 dBm	Custom

Visualization #1.1.13: **PHY mode (a/b/g/n/ac/ax) coverage**

-70 dBm Min signal level



a | b | g | n | ac | ax

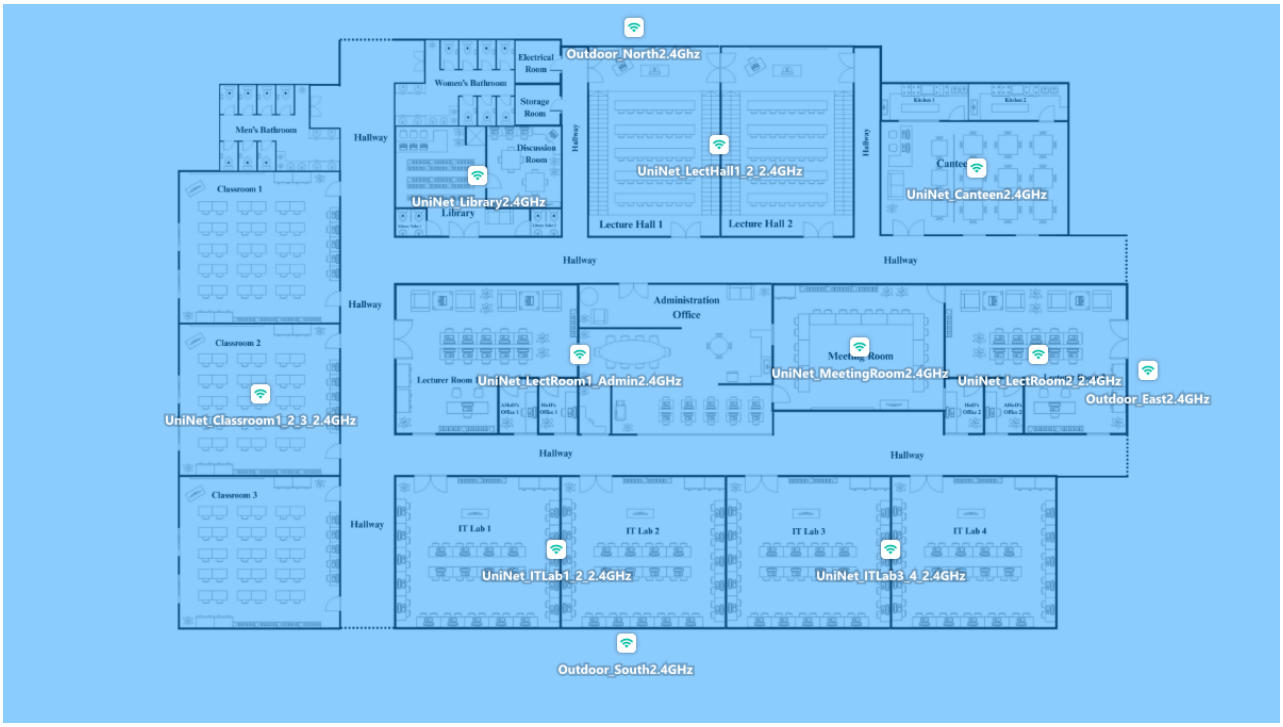
This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	20 dBm	Cisco
3	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
4	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	20 dBm	
5	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
6	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	20 dBm	
7	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	20 dBm	
8	UniNet_Library5GHz	36 (5 GHz)	ax	20 dBm	
9	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
10	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	20 dBm	
11	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	20 dBm	
12	UniNet_Canteen5GHz	36 (5 GHz)	ax	20 dBm	
13	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	20 dBm	
14	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	20 dBm	
15	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	20 dBm	
16	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	20 dBm	
17	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
18	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	20 dBm	

#	Network name	Channel	PHY	Max signal level	Vendor
19	**Outdoor_North2.4Ghz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
20	**Outdoor_North5Ghz**	36 (5 GHz)	ax	**30 dBm**	Custom
21	**Outdoor_South2.4GHz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
22	**Outdoor_South5GHz**	36 (5 GHz)	ax	**30 dBm**	Custom
23	**Outdoor_East2.4GHz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
24	**Outdoor_East5GHz**	36 (5 GHz)	ax	**30 dBm**	Custom

Visualization #1.1.14: **PHY mode (a/b/g/n/ac/ax) coverage (2.4 GHz)**

-70 dBm Min signal level



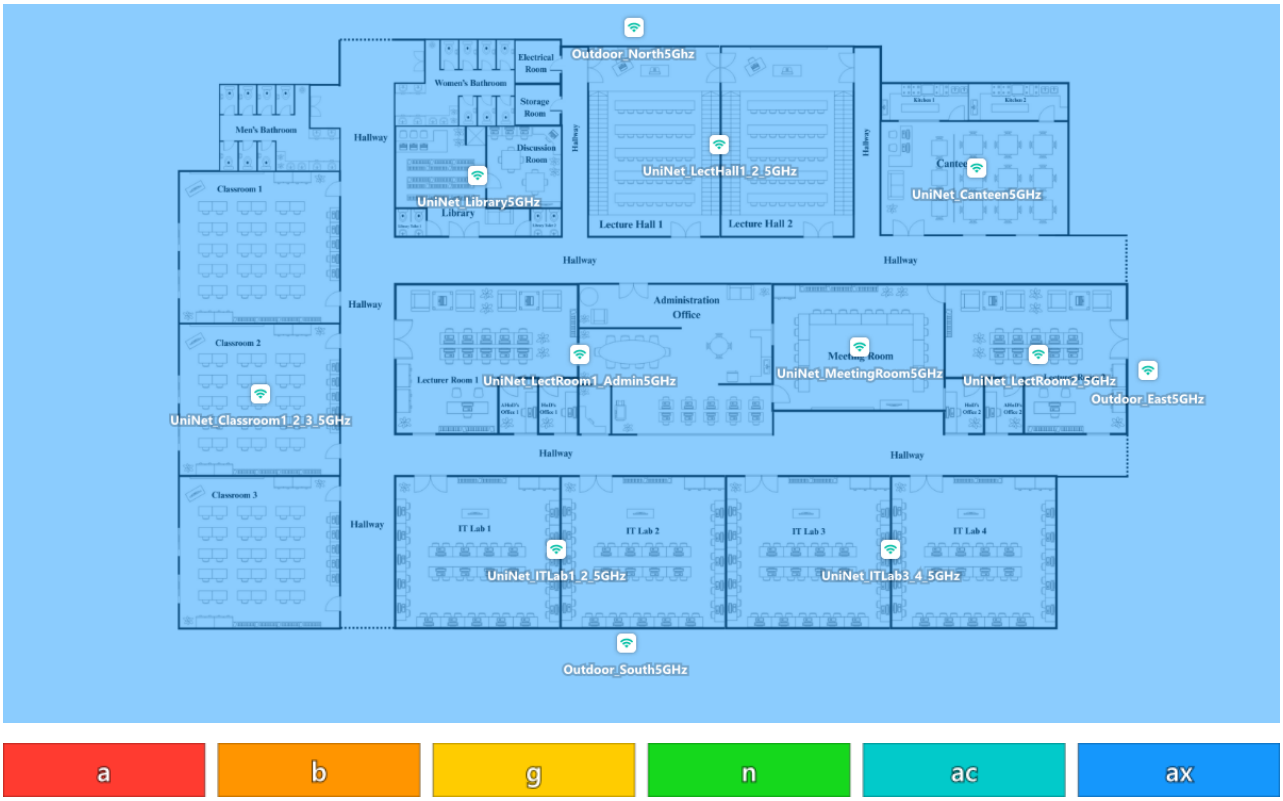
a	b	g	n	ac	ax

This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
3	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
4	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	20 dBm	
5	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
6	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	20 dBm	
7	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	20 dBm	
8	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	20 dBm	
9	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
10	Outdoor_North2.4Ghz	1 (2.4 GHz)	ax	30 dBm	Custom
11	Outdoor_South2.4GHz	1 (2.4 GHz)	ax	30 dBm	Custom
12	Outdoor_East2.4GHz	1 (2.4 GHz)	ax	30 dBm	Custom

Visualization #1.1.15: **PHY mode (a/b/g/n/ac/ax) coverage (5 GHz)**

-70 dBm Min signal level



a | b | g | n | ac | ax

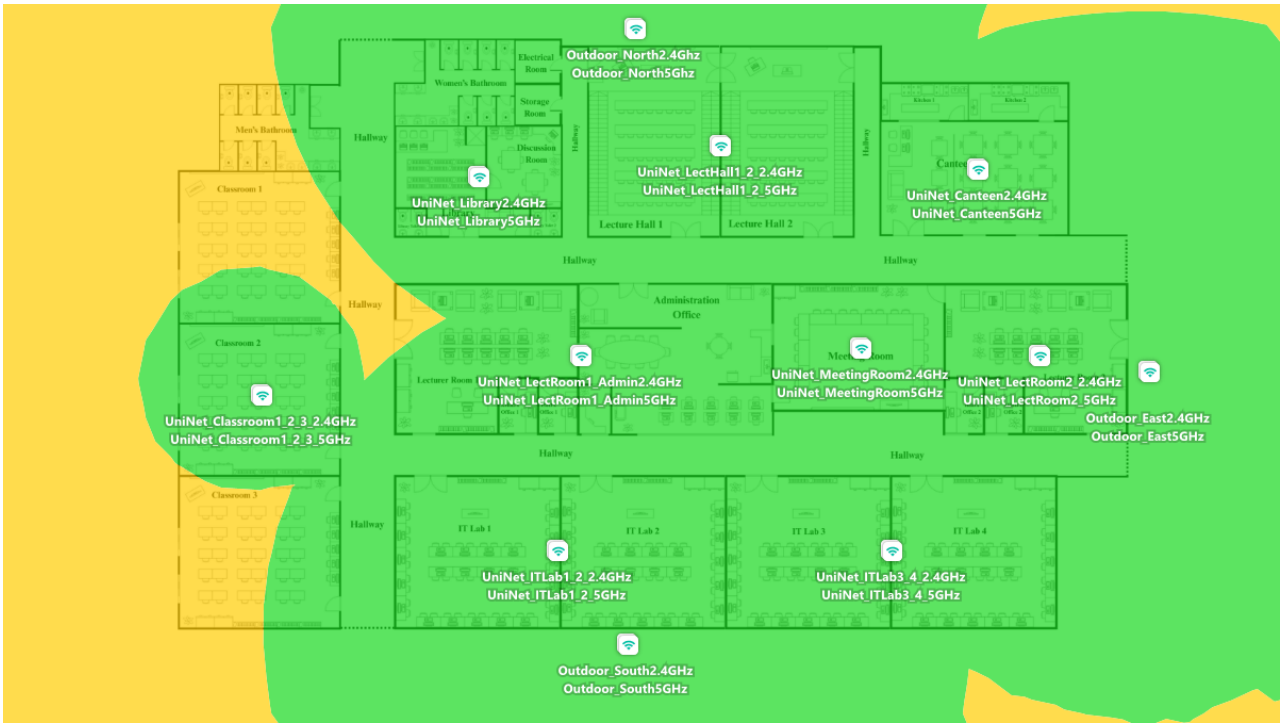
This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	20 dBm	
3	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	20 dBm	
4	UniNet_Library5GHz	36 (5 GHz)	ax	20 dBm	
5	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	20 dBm	
6	UniNet_Canteen5GHz	36 (5 GHz)	ax	20 dBm	
7	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	20 dBm	
8	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	20 dBm	
9	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	20 dBm	
10	Outdoor_North5Ghz	36 (5 GHz)	ax	30 dBm	Custom
11	Outdoor_South5GHz	36 (5 GHz)	ax	30 dBm	Custom
12	Outdoor_East5GHz	36 (5 GHz)	ax	30 dBm	Custom

Visualization #1.1.16: **Low signal level**

👎 **-70 dBm** Critical signal level

👍 **-40 dBm** Acceptable signal level



!!! | ! | ✓

This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

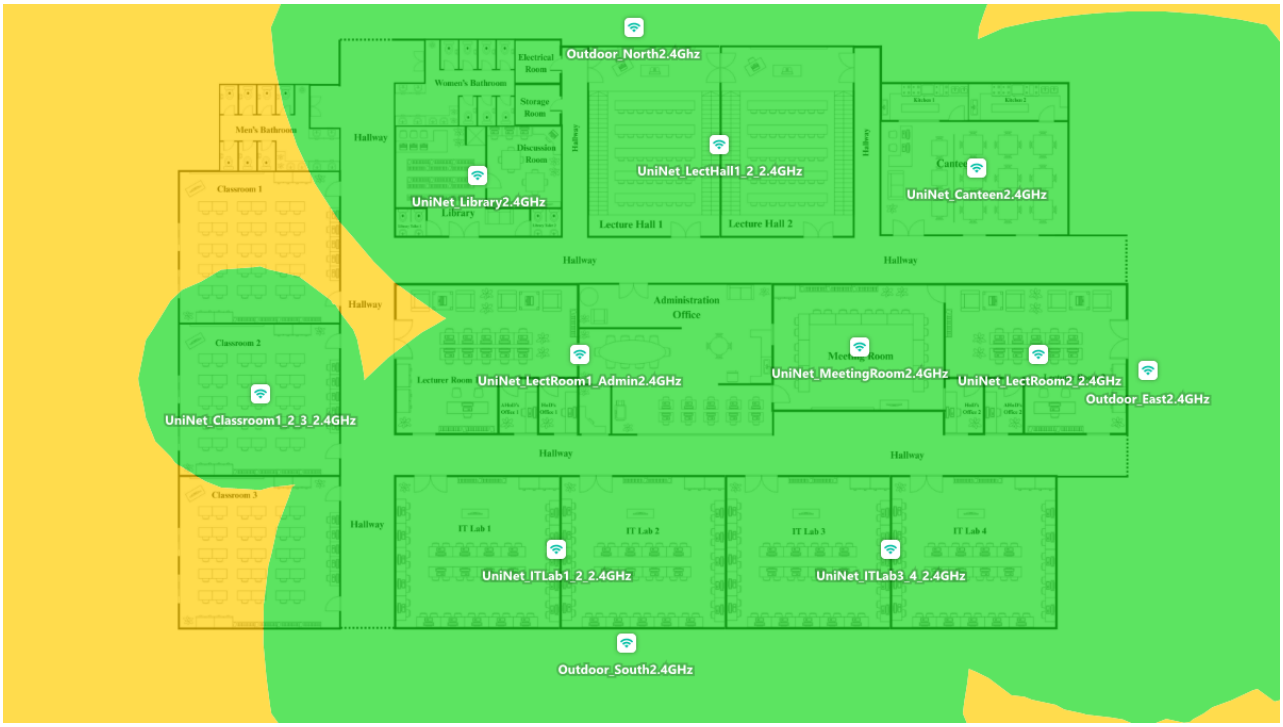
#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	20 dBm	Cisco
3	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
4	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	20 dBm	
5	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
6	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	20 dBm	
7	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	20 dBm	
8	UniNet_Library5GHz	36 (5 GHz)	ax	20 dBm	
9	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
10	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	20 dBm	
11	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	20 dBm	
12	UniNet_Canteen5GHz	36 (5 GHz)	ax	20 dBm	
13	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	20 dBm	
14	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	20 dBm	
15	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	20 dBm	
16	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	20 dBm	
17	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
18	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	20 dBm	

#	Network name	Channel	PHY	Max signal level	Vendor
19	**Outdoor_North2.4Ghz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
20	**Outdoor_North5Ghz**	36 (5 GHz)	ax	**30 dBm**	Custom
21	**Outdoor_South2.4GHz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
22	**Outdoor_South5GHz**	36 (5 GHz)	ax	**30 dBm**	Custom
23	**Outdoor_East2.4GHz**	1 (2.4 GHz)	ax	**30 dBm**	Custom
24	**Outdoor_East5GHz**	36 (5 GHz)	ax	**30 dBm**	Custom

Visualization #1.1.17: **Low signal level (2.4 GHz)**

👎 **-70 dBm** Critical signal level

👍 **-40 dBm** Acceptable signal level

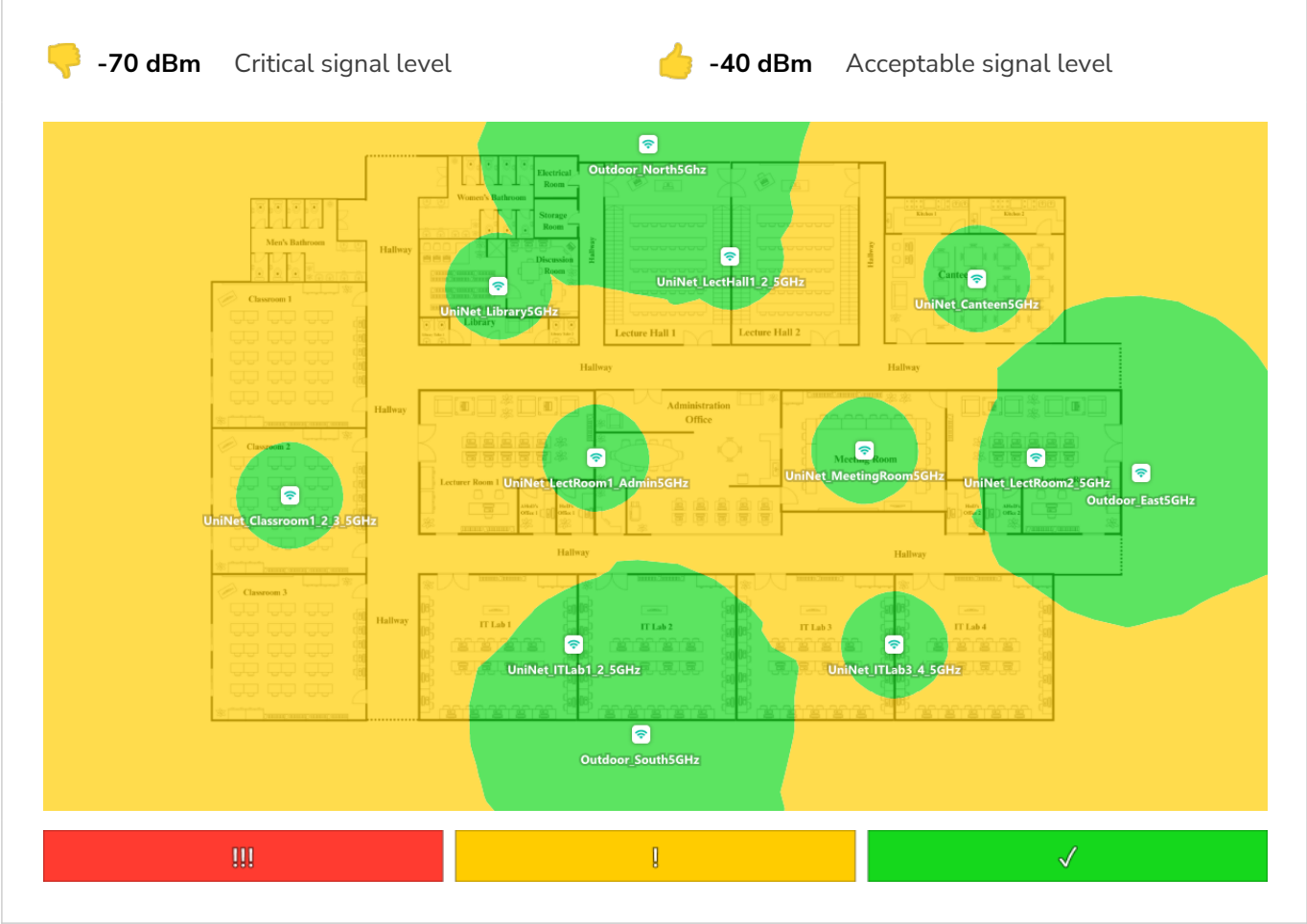


!!! | ! | ✓

This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
3	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
4	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	20 dBm	
5	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
6	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	20 dBm	
7	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	20 dBm	
8	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	20 dBm	
9	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	20 dBm	
10	Outdoor_North2.4Ghz	1 (2.4 GHz)	ax	30 dBm	Custom
11	Outdoor_South2.4GHz	1 (2.4 GHz)	ax	30 dBm	Custom
12	Outdoor_East2.4GHz	1 (2.4 GHz)	ax	30 dBm	Custom

Visualization #1.1.18: **Low signal level (5 GHz)**



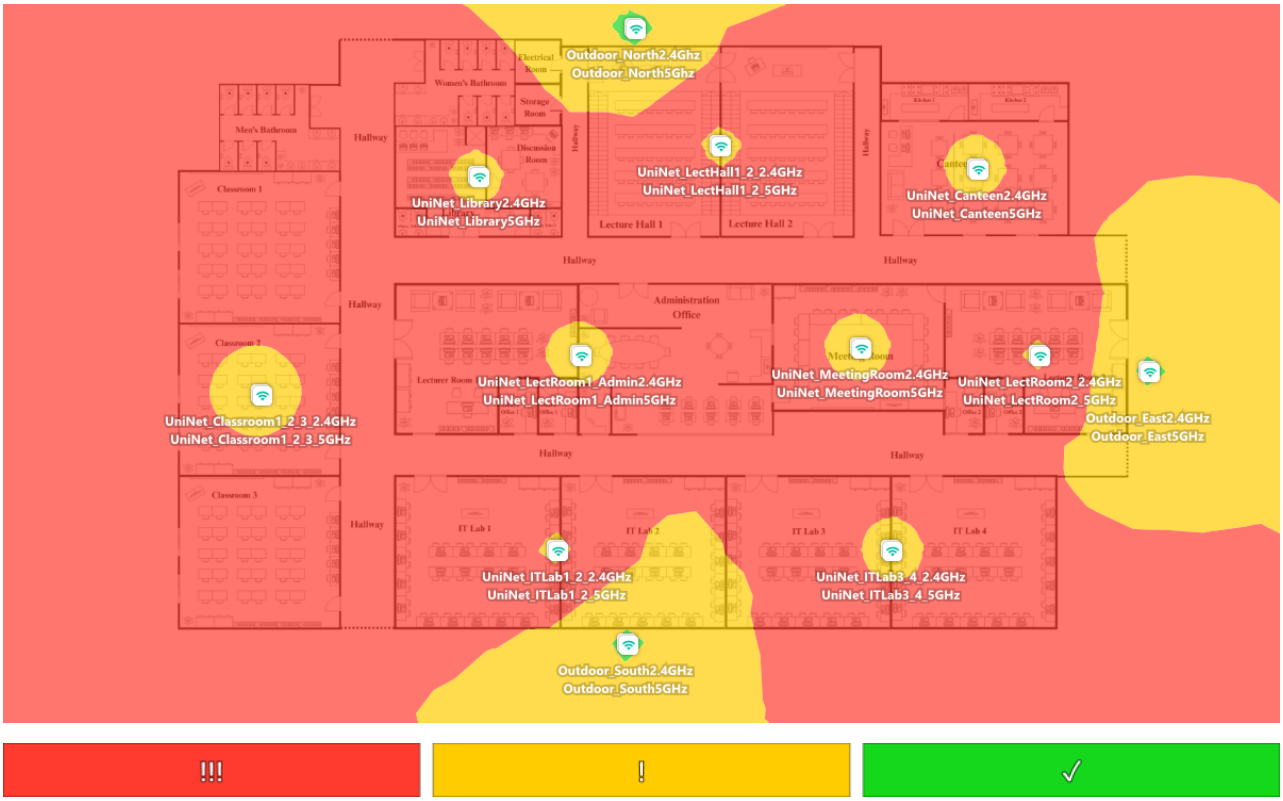
This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max signal level	Vendor
1	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	20 dBm	Cisco
2	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	20 dBm	
3	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	20 dBm	
4	UniNet_Library5GHz	36 (5 GHz)	ax	20 dBm	
5	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	20 dBm	
6	UniNet_Canteen5GHz	36 (5 GHz)	ax	20 dBm	
7	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	20 dBm	
8	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	20 dBm	
9	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	20 dBm	
10	Outdoor_North5Ghz	36 (5 GHz)	ax	30 dBm	Custom
11	Outdoor_South5GHz	36 (5 GHz)	ax	30 dBm	Custom
12	Outdoor_East5GHz	36 (5 GHz)	ax	30 dBm	Custom

Visualization #1.1.19: **Overlapping channels (SIR)**

10 dB Critical SIR

30 dB Acceptable SIR



!!! | ! | ✓

This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

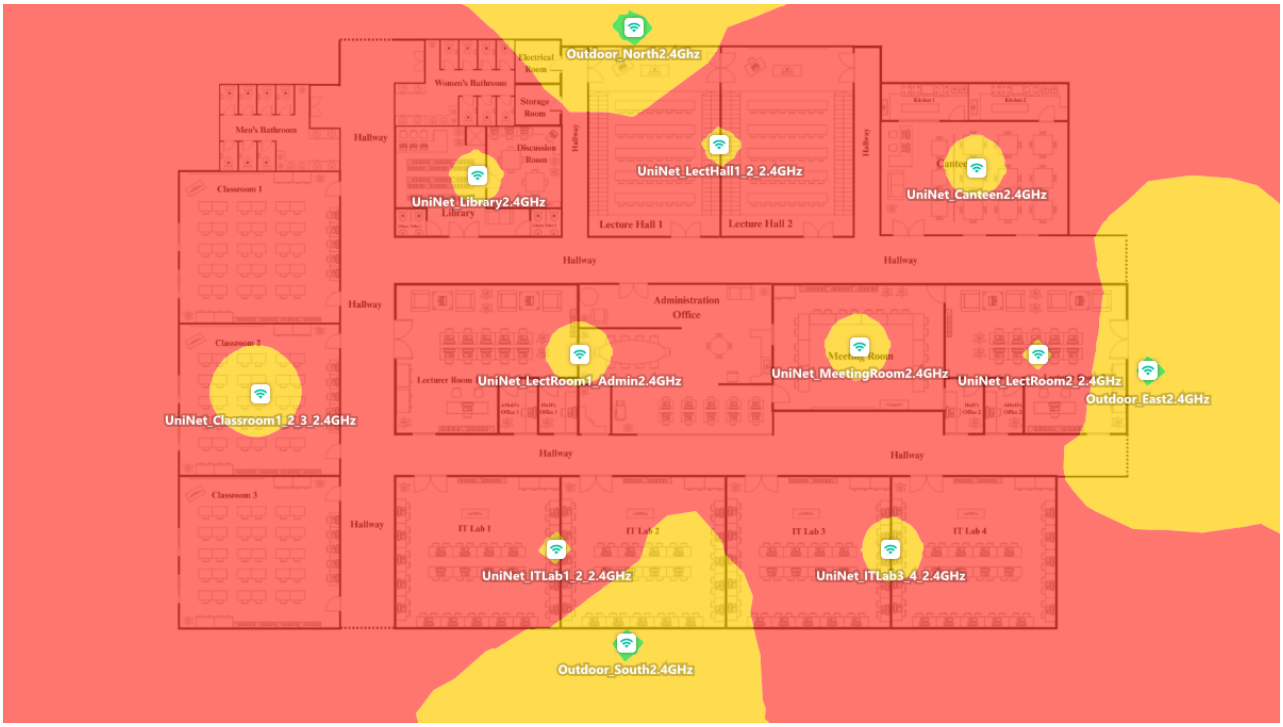
#	Network name	Channel	PHY	Max SIR	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	49 dB	Cisco
2	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	56 dB	Cisco
3	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	57 dB	
4	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	63 dB	
5	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	61 dB	
6	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	67 dB	
7	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	55 dB	
8	UniNet_Library5GHz	36 (5 GHz)	ax	61 dB	
9	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	51 dB	
10	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	58 dB	
11	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	57 dB	
12	UniNet_Canteen5GHz	36 (5 GHz)	ax	63 dB	
13	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	57 dB	
14	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	64 dB	
15	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	57 dB	
16	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	64 dB	
17	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	49 dB	
18	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	55 dB	

#	Network name	Channel	PHY	Max SIR	Vendor
19	Outdoor_North2.4Ghz	1 (2.4 GHz)	ax	71 dB	Custom
20	Outdoor_North5Ghz	36 (5 GHz)	ax	78 dB	Custom
21	Outdoor_South2.4GHz	1 (2.4 GHz)	ax	69 dB	Custom
22	Outdoor_South5GHz	36 (5 GHz)	ax	76 dB	Custom
23	Outdoor_East2.4GHz	1 (2.4 GHz)	ax	69 dB	Custom
24	Outdoor_East5GHz	36 (5 GHz)	ax	75 dB	Custom

Visualization #1.1.20: **Overlapping channels (SIR) (2.4 GHz)**

10 dB Critical SIR

30 dB Acceptable SIR



!!! | ! | ✓

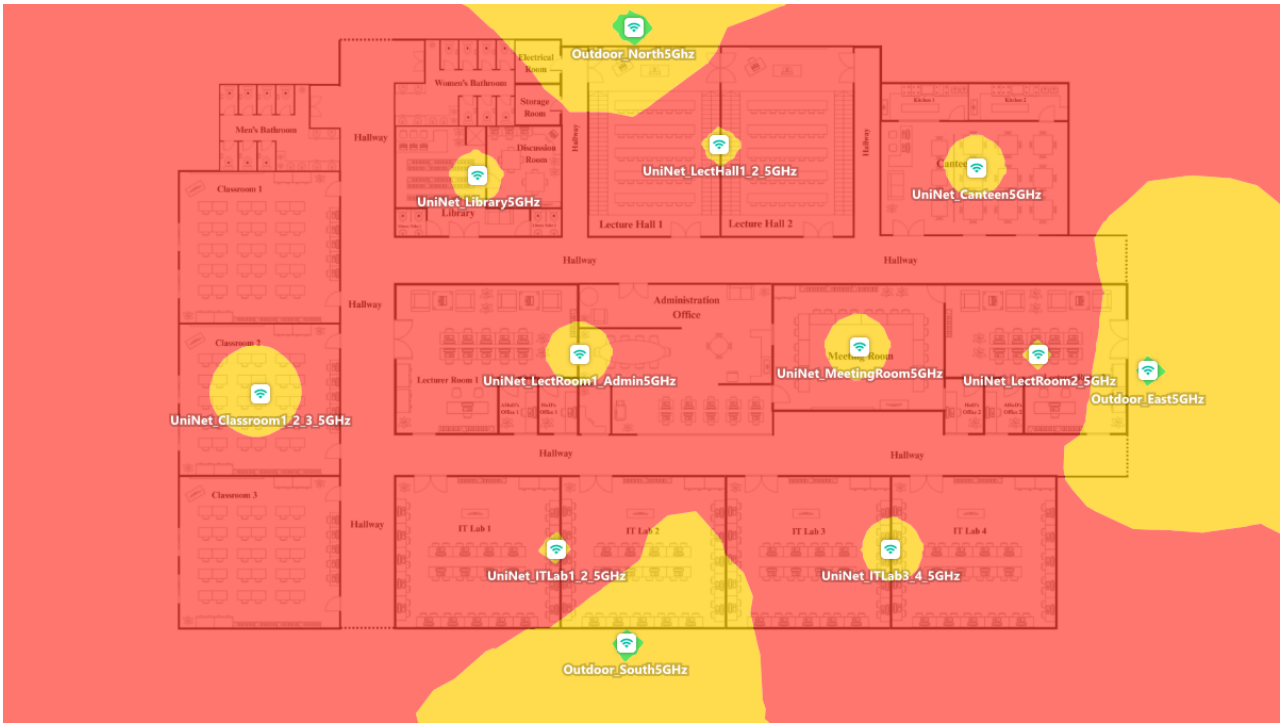
This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max SIR	Vendor
1	UniNet_ITLab1_2_2.4GHz	1 (2.4 GHz)	ax	49 dB	Cisco
2	UniNet_ITLab3_4_2.4GHz	1 (2.4 GHz)	ax	57 dB	
3	UniNet_Classroom1_2_3_2.4GHz	1 (2.4 GHz)	ax	61 dB	
4	UniNet_Library2.4GHz	1 (2.4 GHz)	ax	55 dB	
5	UniNet_LectHall1_2_2.4GHz	1 (2.4 GHz)	ax	51 dB	
6	UniNet_Canteen2.4GHz	1 (2.4 GHz)	ax	57 dB	
7	UniNet_LectRoom1_Admin2.4GHz	1 (2.4 GHz)	ax	57 dB	
8	UniNet_MeetingRoom2.4GHz	1 (2.4 GHz)	ax	57 dB	
9	UniNet_LectRoom2_2.4GHz	1 (2.4 GHz)	ax	49 dB	
10	Outdoor_North2.4Ghz	1 (2.4 GHz)	ax	71 dB	Custom
11	Outdoor_South2.4GHz	1 (2.4 GHz)	ax	69 dB	Custom
12	Outdoor_East2.4GHz	1 (2.4 GHz)	ax	69 dB	Custom

Visualization #1.1.21: **Overlapping channels (SIR) (5 GHz)**

10 dB Critical SIR

30 dB Acceptable SIR



!!! ! ✓

This visualization was also exported individually per access point. You can find all individual reports in the following folder: **/Images/Central Building - April 2025**

#	Network name	Channel	PHY	Max SIR	Vendor
1	UniNet_ITLab1_2_5GHz	36 (5 GHz)	ax	56 dB	Cisco
2	UniNet_ITLab3_4_5GHz	36 (5 GHz)	ax	63 dB	
3	UniNet_Classroom1_2_3_5GHz	36 (5 GHz)	ax	67 dB	
4	UniNet_Library5GHz	36 (5 GHz)	ax	61 dB	
5	UniNet_LectHall1_2_5GHz	36 (5 GHz)	ax	58 dB	
6	UniNet_Canteen5GHz	36 (5 GHz)	ax	63 dB	
7	UniNet_LectRoom1_Admin5GHz	36 (5 GHz)	ax	64 dB	
8	UniNet_MeetingRoom5GHz	36 (5 GHz)	ax	64 dB	
9	UniNet_LectRoom2_5GHz	36 (5 GHz)	ax	55 dB	
10	Outdoor_North5Ghz	36 (5 GHz)	ax	78 dB	Custom
11	Outdoor_South5GHz	36 (5 GHz)	ax	76 dB	Custom
12	Outdoor_East5GHz	36 (5 GHz)	ax	75 dB	Custom